

## ANNEXURE-1



Name of Customer : M/s ADLITE ELECTRICALS

Product Description : **33kV 1250A, 31.5kA VD4 Indoor Type Vcb Panel with AL. Busbar (80X10)**

REF. NO: AESPL/DH/22-23/Q5484

Project : \*\*\*\*\*

Total qty. : 01 Set (1IC + 20G VCB PANEL)

**BILL OF MATERIAL**

DESCRIPTION	MAKE	UNIT QTY	UNIT
<b>01 NO. INCOMER</b>			
VACUUM CIRCUIT BREAKER			
<b>33kV, 1250A, 31.5kA VD4 DRAWOUT TYPE</b>	ABB (V-D4)	1	NO.
HAVING FOLLOWING ACCESSORIES:			
230V AC SPRING CHARGING MOTOR			
24V DC CLOSING COIL			
24V DC SHUNT TRIP COIL			
AUX. CONTACT: 6NO+6NC			
OPERATING COUNTER			
MECHANICAL ON/OFF PUSH BUTTONS			
MECHANICAL INDICATORS FOR ON/OFF,			
SPRING CHARGED/DISCHARGED			
MANUAL SPRING CHARGING DEVICE.			
INSTRUMENTATION TRANSFORMER			
CURRENT TRANSFORMER INDOOR SINGLE PHASE RESIN CAST <b>RATIO: 100-50/5-5A</b> CORE-2: 15VA, 5P10-PROTECTION CORE-1: 15VA CLASS : 0.5, METERING	SAVIO/AVCON	3	NO.
<b>POTENTIAL TRANSFORMER FIXED TYPE</b> INDOOR SINGLE PHASE RESIN CAST <b>RATIO: 33KV/√3/110V/√3</b> 100VA, CLASS: 0.5 33KV, 3.15A P.T. FUSE LINKS	SAVIO/AVCON	3	NO.
	PANICKKER / REPUTED	3	NO.
INDICATING METERS			
DIGITAL AMMETER WITH ASS	SECURE/ELMEASURE	1	NO.
DIGITAL VOLTMETER WITH VSS	SECURE/ELMEASURE	1	NO.
PROTECTION RELAY & ACCESSORIES			
30C+1EF NUMERICAL IDMT RELAY <b>(50,51,50N,51N)</b>	C&S	1	NO.
MASTER TRIP RELAY	C&S	1	NO.
ANTIPUMPING RELAY AUX. CONTACTOR 2NO+2NC 24VDC	ABB/PLA	1	NO.
INDICATION LAMP & ACCESSORIES			
INDICATING LAMP (22.5mm DIA), 24V DC	ESBEE/ABB	1	NO.
BREAKER ON : RED			
BREAKER OFF : GREEN			
BREAKER TEST : RED			
BREAKER SERVICE : GREEN			
SPRING CHARGED : BLUE			
AUTO TRIP : AMBER			
INDICATING LAMP (22.5mm DIA), 63.5V AC	ESBEE/ABB	1	NO.
R' PHASE HEALTHY - RED			
Y' PHASE HEALTHY - YELLOW			
B' PHASE HEALTHY - BLUE			
MCB	ABB/HAVELLS	2	NO.
DOUBLE POLE ,10kA,6A			
SINGLE POLE 10kA,6A		10	NO.
POWER PACK 230V AC/24V DC (7AH)	MAHAMAI/ADITYA	1	NO.
HOOTER 24V DC	ADITYA/REPUTED	1	NO.
BREAKER CONTROL SWITCH (TNC) 25A	SALZER/REPUTED	1	NO.
SELECTOR SWITCH 2P 2W WITH OFF 6A	SALZER/REPUTED	1	NO.
STRIP HEATER 100W, 240V AC	HOTWELL	1	NO.
THERMOSTATE, 0-60°C DEGREE CELCIUS , 240V AC	ELCON	1	NO.
EMERGENCY STOP PUSH BUTTON 22.5mm OD	ESBEE/ABB	1	NO.
15A 240VAC 3 PIN POWER SOCKET WITH ON-OFF SWITCH	ANCHOR	1	NO.
5W, 240VAC, LED BULB	SYSKA	1	NO.
DOOR LIMIT SWITCH FOR CUBICAL LAMP	KAYCHEE	1	NO.
10A, 240V AC, TOGGLE SWITCH	KAYCHEE	1	NO.
32A NEUTRAL LINK	FTC	2	NO.
C.T. TERMINAL 6mm	CONNECTWELL	10	NO.
END PLATE FOR ABOVE		2	NO.
P.T. TERMINAL 6mm	CONNECTWELL	10	NO.
END PLATE FOR ABOVE		2	NO.

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REF. NO: AESPL/DH/22-23/Q5484			
Project : *****			
Total qty. : 01 Set (1IC + 20G VCB PANEL)			
BILL OF MATERIAL			
DESCRIPTION	MAKE	UNIT QTY	UNIT
02 NO. OUTGOING			
VACUUM CIRCUIT BREAKER			
<b>33kV, 1250A, 31.5kA VD4 DRAWOUT TYPE</b>	ABB (V-D4)	2	NO.
HAVING FOLLOWING ACCESSORIES:			
230V AC SPRING CHARGING MOTOR			
24V DC CLOSING COIL			
24V DC SHUNT TRIP COIL			
AUX. CONTACT: 6NO+6NC			
OPERATING COUNTER			
MECHANICAL ON/OFF PUSH BUTTONS			
MECHANICAL INDICATORS FOR ON/OFF, SPRING CHARGED/DISCHARGED			
MANUAL SPRING CHARGING DEVICE.			
INSTRUMENTATION TRANSFORMER			
CURRENT TRANSFORMER INDOOR SINGLE PHASE RESIN CAST <b>RATIO: 100-50/5-5A</b> CORE-2: 15VA, 5P10-PROTECTION CORE-1: 15VA CLASS : 0.5, METERING	SAVIO/AVCON	6	NO.
INDICATING METERS			
DIGITAL AMMETER WITH ASS	SECURE/ELMEASURE	2	NO.
PROTECTION RELAY & ACCESSORIES			
30C+1EF NUMERICAL IDMT RELAY <b>(50,51,50N,51N)</b>	C&S	2	NO.
MASTER TRIP RELAY	C&S	2	NO.
AUX RELAY FOR TRF PROTECTION <b>(3 ELEMENTS)</b>	C&S	4	NO.
ANTIPUMPING RELAY AUX. CONTACTOR 2NO+2NC 24VDC	ABB/PLA	2	NO.
INDICATION LAMP & ACCESSORIES			
INDICATING LAMP (22.5mm DIA), 24V DC	ESBEE/ABB	2	NO.
BREAKER ON : RED			
BREAKER OFF : GREEN			
BREAKER TEST : RED			
BREAKER SERVICE : GREEN			
SPRING CHARGED : BLUE			
AUTO TRIP : AMBER			
MCB	ABB/HAVELLS	4	NO.
DOUBLE POLE ,10kA,6A			
SINGLE POLE 10kA,6A	20	NO.	NO.
POWER PACK 230V AC/24V DC <b>(7AH)</b>	MAHAMAI/ADITYA	2	NO.
<b>8W ANNUNCIATOR WITH PUSH BUTTON</b>	EAPL/GIC/ADITYA	2	NO.
HOOTER 24V DC	ADITYA/REPUTED	2	NO.
BREAKER CONTROL SWITCH (TNC) 25A	SALZER/REPUTED	2	NO.
SELECTOR SWITCH 2P 2W WITH OFF 6A	SALZER/REPUTED	2	NO.
STRIP HEATER 100W, 240V AC	HOTWELL	2	NO.
THERMOSTATE, 0-60°C DEGREE CELCIUS , 240V AC	ELCON	2	NO.
EMERGENCY STOP PUSH BUTTON 22.5mm OD	ESBEE/ABB	2	NO.
15A 240VAC 3 PIN POWER SOCKET WITH ON-OFF SWITCH	ANCHOR	2	NO.
5W, 240VAC, LED BULB	SYSKA	2	NO.
DOOR LIMIT SWITCH FOR CUBICAL LAMP	KAYCHEE	2	NO.
10A, 240V AC, TOGGLE SWITCH	KAYCHEE	2	NO.
32A NEUTRAL LINK	FTC	4	NO.
C.T. TERMINAL 6mm	CONNECTWELL	20	NO.
END PLATE FOR ABOVE		4	NO.